

In the Specification:

Please amend the paragraph on page 19, lines 17-19 as follows:

Figure 1: Stability of oligonucleotides (SEQ ID NOS 33-38, respectively, in order of appearance) containing beta-D-amino-LNA against SVPD. (Capital letters are LNA, T^N stands for beta-D-amino-LNA and small letters are DNA. The oligonucleotide is synthesized on deoxynucleoside-support, t.)

Please amend the paragraph on page 20, lines 28-30 as follows:

Figure 12: Stability of oligonucleotides (SEQ ID NOS 33-38, respectively, in order of appearance) containing alpha-L-oxy-LNA against SVPD. (Capital letters are LNA, T^α stands for alpha-L-oxy-LNA and small letters are DNA. The oligonucleotide is synthesized on deoxynucleoside-support, t.)

Please amend the paragraph on page 20, lines 32-34 as follows:

Figure 13: Stability of different oligonucleotides (t₁₆, t_{s12}, T₁₆, T^α₁₅T) (SEQ ID NOS 39-42, respectively) against S1-endonuclease. (Capital letters are LNA, T^α stands for alpha-L-oxy-LNA and small letters are DNA. The oligonucleotide is synthesized on oxy-LNA-support, T.)

Please amend Table 1 on page 27 as follows:

Ref	oligonucleotides	DAC30		Lipofectamine 2000	
		% cells	% uptake	% cells	% uptake
2753	T ^N C ^N C ^N g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^N C ^N T ^N c-FAM (SEQ ID NO: 1)	-	-	100	100
2752	T ^N C ^N C ^N s _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^N C ^N T ^N s _s c-FAM (SEQ ID NO: 2)	30	30	100	100
2740	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C _s C _s T _s c-FAM (SEQ ID NO: 3)	80	30	100	100

Table 1. Oligonucleotides containing beta-D-amino-LNA used in cellular uptake and subcellular distribution experiments. Residue c is methyl-c both for DNA and LNA.

Please amend Table 2 on page 29 as follows:

ref	sequence	design	size
U-14	FAM- T ^N T ^N T ^N T ^N g _s t _s c _s a _s t _s c _s g _s TCTTT (SEQ ID NO: 4)	Amino-LNA in one flank/ PS gap of 7	16mer
2023- m; 02579	TTTTg _s t _s c _s a _s t _s c _s g _s TCTTT (SEQ ID NO: 5)	Control with oxy-LNA	16mer

Table 2. Oligonucleotide containing beta-D-amino-LNA used in the antisense activity assay and the oxy-LNA control (Capital letters for LNA and small letters for DNA, T^N is beta-D-amino-LNA). Residue c is methyl-c both for LNA.

Please amend Table 3 on pages 29-30 as follows:

ref	oligonucleotides	
2755	T ^N C ^N C ^N g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^N C ^N T ^N c (SEQ ID NO: 6)	PO/PS
2754	T ^N _s C ^N _s C ^N _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^N _s C ^N _s T ^N _s c (SEQ ID NO: 7)	All PS
2743	TCCg _s t _s c _s a _s t _s c _s g _s c _s t _s CCTc (SEQ ID NO: 8)	PO/PS
2742	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C _s C _s T _s c (SEQ ID NO: 9)	All PS
2757	T ^N C ^N T ^N g _s t _s a _s a _s t _s a _s g _s c _s C ^N C ^N C ^N c (SEQ ID NO: 10)	Mismatch control
2756	T ^N _s C ^N _s T ^N _s g _s t _s a _s a _s t _s a _s g _s c _s C ^N _s C ^N _s C ^N _s c (SEQ ID NO: 11)	Mismatch control
2745	TCTg _s t _s a _s a _s t _s a _s g _s c _s CCCc (SEQ ID NO: 12)	Mismatch control
2744	T _s C _s T _s g _s t _s a _s a _s t _s a _s g _s c _s C _s C _s C _s c (SEQ ID NO: 13)	Mismatch control

Table 3. Oligonucleotides containing beta-D-amino-LNA and beta-D-oxy-LNA used in the antisense activity experiments. Residue c is methyl-c both for DNA and LNA.

Please amend Table 4 on page 32 as follows:

ref	oligonucleotides	DAC30		Lipofectamine 2000	
		% cells	% uptake	% cells	% uptake
2747	T ^S C ^S C ^S g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^S C ^S T ^S c-FAM (SEQ ID NO: 14)	-	-	100	100
2746	T ^S _s C ^S _s C ^S _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^S _s C ^S _s T ^S _s c-FAM (SEQ ID NO: 15)	80	50	100	100
2740	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C _s C _s T _s c-FAM (SEQ ID NO: 16)	80	30	100	100

Table 4. Oligonucleotides containing beta-D-thio-LNA used in cellular uptake and subcellular distribution experiments. Residue c is methyl-c both for DNA and LNA.

Please amend Table 5 on page 34 as follows:

ref	sequence	design	size
U-16	T ^S T ^S T ^S T ^S g _s t _s c _s a _s t _s c _s g _s TCTTT-FAM (SEQ ID NO:14)	Thio-LNA in one flank/ PS gap of 7	16mer
2023-m; 02579	TTTTg _s t _s c _s a _s t _s c _s g _s TCTTT (SEQ ID NO: 5)	Control with oxy-LNA	16mer

Table 5_ Oligonucleotide containing beta-D-thio-LNA used in the antisense activity assay and the corresponding oxy-LNA control (Capital letters for LNA and small letters for DNA, T^S is beta-D-thio-LNA). Residue c is methyl-c both for LNA.

Please amend Table 6 on pages 34-35 as follows:

ref	oligonucleotides	
2749	T ^S C ^S C ^S g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^S C ^S T ^S c (SEQ ID NO: 15)	PO/PS
2748	T ^S C ^S C ^S g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^S C ^S T ^S c (SEQ ID NO: 16)	All PS
2743	TCCg _s t _s c _s a _s t _s c _s g _s c _s t _s CCTc (SEQ ID NO: 8)	PO/PS
2742	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C _s C _s T _s c (SEQ ID NO: 17)	All PS
2751	T ^S C ^S T ^S g _s t _s a _s a _s t _s a _s g _s c _s c _s C ^S C ^S C ^S c (SEQ ID NO: 18)	Mismatch control
2750	T ^S C ^S T ^S g _s t _s a _s a _s t _s a _s g _s c _s c _s C ^S C ^S C ^S c (SEQ ID NO: 19)	Mismatch control
2745	TCTg _s t _s a _s a _s t _s a _s g _s c _s c _s CCCc (SEQ ID NO: 12)	Mismatch control
2744	T _s C _s T _s g _s t _s a _s a _s t _s a _s g _s c _s c _s C _s C _s C _s c (SEQ ID NO: 13)	Mismatch control

Table 6. Oligonucleotides containing beta-D-thio-LNA and beta-D-oxy-LNA used in the antisense activity experiments. Residue c is methyl-c both for DNA and LNA.

Please amend Table 7 on page 37 as follows:

ref	oligonucleotides	DAC30		Lipofectamine 2000	
		% cells	% uptake	% cells	% uptake
2773	T ^α C ^α C ^α g _s t _s c _s a _s t _s c _s g _s c _s T ^α C ^α T ^α c-FAM (SEQ ID NO: 20)	-	-	100	100
2774	T ^α C ^α C ^α s _s g _s t _s c _s a _s t _s c _s g _s c _s T ^α C ^α s _s T ^α c-FAM (SEQ ID NO: 21)	80	30	100	100
2740	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s T _s C _s T _s c-FAM (SEQ ID NO: 3)	80	30	100	100

Table 7. Oligonucleotides containing alpha-L-oxy-LNA used in cellular uptake and subcellular distribution experiments. Residue c is methyl-c both for DNA and LNA.

Please amend Table 8 on page 39 as follows:

ref	sequence	mixmer
2023-q	TTCCg _s T ^α c _s a _s t _s c _s g _s T ^α c _s TTT (SEQ ID NO: 22)	4-1-1-5-1-1-3 a
2023-r	T ^α T ^α C ^α C ^α g _s T ^α c _s a _s t _s c _s g _s T ^α c _s T ^α T ^α T (SEQ ID NO: 23)	4-1-1-5-1-1-3 b
2023-t	TTCCg _s t _s c _s A ^α t _s c _s g _s TCTTT (SEQ ID NO: 24)	4-3-1-3-5 a
2023-u	TTCC ^α g _s t _s c _s A ^α t _s c _s g _s T ^α CTTT (SEQ ID NO: 25)	4-3-1-3-5 b

Table 8. Mixmers containing alpha-L-oxy-LNA used in this study (Capital letters for LNA and small letters for DNA, T^α is alpha-L-oxy-LNA). Residue c is methyl-c both for LNA.

Please amend Table 9 on page 40 as follows:

ref	oligonucleotides	
2775	T ^α C ^α C ^α g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^α C ^α T ^α c (SEQ ID NO: 26)	PO/PS
2776	T ^α C ^α C ^α s _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^α C ^α T ^α s _s c (SEQ ID NO: 27)	All PS
2743	TCCg _s t _s c _s a _s t _s c _s g _s c _s TCTc (SEQ ID NO: 8)	PO/PS
2742	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C _s C _s T _s c (SEQ ID NO: 9)	All PS
2777	T ^α C ^α T ^α g _s t _s a _s t _s a _s g _s c _s C ^α C ^α C ^α c (SEQ ID NO: 28)	Mismatch control
2778	T ^α C ^α T ^α s _s g _s t _s a _s t _s a _s g _s c _s C ^α C ^α C ^α s _s c (SEQ ID NO: 29)	Mismatch control
2745	TCTg _s t _s a _s t _s a _s g _s c _s CCCc (SEQ ID NO: 12)	Mismatch control
2744	T _s C _s T _s g _s t _s a _s t _s a _s g _s c _s C _s C _s C _s c (SEQ ID NO: 13)	Mismatch control

Table 9. Oligonucleotides containing alpha-L-oxy-LNA and beta-D-oxy-LNA used in the antisense activity experiments. Residue c is methyl-c both for DNA and LNA.

Please amend Table 10 on page 42 as follows:

ref	oligonucleotides	
2776	T ^α C ^α C ^α s _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C ^α C ^α T ^α s _s c (SEQ ID NO: 27)	match
2778	T ^α C ^α C ^α T ^α s _s g _s t _s a _s t _s a _s g _s c _s C ^α C ^α C ^α s _s c (SEQ ID NO: 29)	Mismatch control
2742	T _s C _s C _s g _s t _s c _s a _s t _s c _s g _s c _s t _s C _s C _s T _s c (SEQ ID NO: 17)	match
2744	T _s C _s T _s g _s t _s a _s t _s a _s g _s c _s C _s C _s C _s c (SEQ ID NO: 13)	Mismatch control

Table 10. Oligonucleotides containing alpha-L-oxy-LNA and beta-D-oxy-LNA used in the in vivo experiment. Residue c is methyl-c both for DNA and LNA.

Please amend Table 11 on page 42 as follows:

ref	sequence	mixmer
2023-l; 02574	TTCc _s g _s t _s c _s a _s t _s c _s g _s t _s CTTt (SEQ ID NO: 30)	3-9-3-1
2023-k; 02575	TTCc _s g _s t _s c _s a _s t _s c _s g _s t _s CTT _s t (SEQ ID NO: 31)	3-9-3-1
2023-j; 02576	T _s T _s C _s c _s g _s t _s c _s a _s t _s c _s g _s t _s C _s T _s T _s t (SEQ ID NO: 32)	3-9-3-1

Table 11. Special beta-D-oxy-LNA constructs (Capital letters for LNA and small letters for DNA). Residue c is methyl-c for LNA.